Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/25/2019 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125343	0	1.43	125434	1.42
Blue	F	SSC	125000	123767	-1	1.64	124548	1.66
Blue	E	FITC	16122	15759	-3	2.72	343	19.59
Blue	D	PE	29316	28816	-2	1.95	629	14.26
Blue	B	PerCP-Cy5-5	42590	42464	-1	3.61	1139	20.08
Blue	A	PE-Cy7	33146	33283	0	6.12	640	39.96
Red	C	APC	45473	44706	-2	2.44	1583	12.11
Red	A	APC-Cy7	31961	30791	-4	2.41	812	12.03
Violet	B	V450	7914	7441	-6	4.57	415	13.58
Violet	A	V500	29769	28231	-6	4.45	655	10.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20876	3.58	608	8	N/A	N/A	Pass
Blue	F	SSC	56253	1.15	552	14	N/A	N/A	Pass
Blue	E	FITC	62	65.09	540	3	0.0218	192	Pass
Blue	D	PE	131	51.12	542	5	0.2057	405	Pass
Blue	B	PerCP-Cy5-5	210	48.00	647	9	0.0092	22	Pass
Blue	A	PE-Cy7	119	99.47	699	8	0.0114	18	Pass
Red	C	APC	373	25.19	585	6	0.0242	127	Pass
Red	A	APC-Cy7	179	28.66	561	5	0.0055	895	Pass
Violet	B	V450	64	60.23	463	3	0.0466	1875	Pass
Violet	A	V500	99	32.95	475	3	0.0228	671	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/25/2019 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.06	-31.80	1.00
Blue	20.35	16.27 - 24.41	1.29	0.99 - 1.49	0.00	0.00	1.51
Red	16.31	13.60 - 20.40	N/A	N/A	29.45	29.83	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10323

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments